

## Detailed Tram information

### Requirements of Trams:

- Able to adequately support the population and be fit for purpose
- Able to accept peoples with low mobility
- Zone / car designated for standing room, wheel chairs and luggage.
- Pivoting bogeys to reduce noise and wear
- Single-directional driving
- Autonomously driven w/ guard present
- Modern technology with “psuedo-heritage” design

### Requirement of Infrastructure:

- Separated from roads and walking paths
- Efforts made to reduce rail squeal through generous turning radii
- Sound-suppressing absorbers to reduce rail vibration
- Installation of sound barriers
- Rail gauge, by virtue of no external connections, has little significance on construction.
- Any form of 25kV 50Hz AC rail electrification method that is NOT supplied by overhead lines.

### Considerations for operation:

- Weather (Water drainage, snowfall, high-heat [rail expansion])
- Maintenance (Rails, rolling stock, recovery vehicles, support vehicles)
- Interactions (Road intersections, boarding platforms, signage)
- Noise reduction (Turning, vibration, slippage, power plant)